

ELECTROSTATIC DISCHARGE PROTECTIVE CIRCUITRY EQUIPPED WITH A COMMON DISCHARGE LINE

ABSTRACT OF THE INVENTION

A semiconductor device having an electrostatic discharge protective circuitry adapted to a common discharge line (CDL) is disclosed. In the embodiments of the present invention, semiconductor device includes a plurality of bonding pads, each having at least one connecting terminal, a common discharge line, and a protective device connected between the connecting terminal and the common discharge line. Moreover, the protective device composes of a silicon-control-rectifier that is used for electrostatic discharge protection and a zener diode for lowering a trigger voltage of the silicon-control-rectifier.